



Service Intended

General purpose digital gauge, suitable for media such as air, water, oil & gases that do not attack stainless steel parts or will obstruct the pressure system. Typical applications will be in the general industrial and hydraulic industry.

Description

The DPG 502 is a digital pressure gauge with an accuracy of 0.2% of full scale. It features a max/peak pressure memory function.

Features

Low power consumption, 1200 hours battery life.
High accuracy and stability.
Maximum (Peak) value function.
Zero and full scale calibration function.

Case Dimension

Nominal Dia: 67mm x 35mm deep

Pressure Connections

Material: Stainless steel 316
Sizes: 1/4" BSP Standard (other on request)

Technical Specifications

Accuracy : +/- 0.25% Full Scale
Pressure Range : As per standard ranges in chart
Pressure units : kPa, MPa, bar, psi and kg/cm²
Display : 4 digit LCD with back light,
Digit Dimensions : 12mm digit height
Bar Graph : Percentage of full scale
Battery Status : Condition display - 5 segments
Sampling Rate : 4 times per second
Memory : Max pressure value
Auto Power : Selectable 1-15 min
Zero Function : zero reset and adjustment
Reset : Delete max/peak value
Temp Compensation: -10+70 °C
Temp Stability : 0.05% FS/°C
Operational Spec : Ambient Temp -10+60 °C
Medium Temp -10+80 °C
Relative Humidity : 0-90% non-condensing
Burst Pressure : 3 x FS
Over Pressure : 1.5 x FS
Wetted Parts : Stainless Steel 316
Power : 9V battery (6LR61)
Weight : 0.25kg

Optional Extras

Calibration Certificate
Diaphragm Seals fitted
Rubber Cover

PRESSURE MEASUREMENT

Digital Gauge

Type DPG502: Digital Pressure Gauge



STANDARD PRESSURE RANGES

Range	Accuracy (% FS)	Resolution	Range	Accuracy (% FS)	Resolution
Pressure			Pressure		
0/35kPa	0.25	0.01	0/6 MPa	0.25	1.0
0/70 kPa	0.25	0.1	0/10 MPa	0.25	1.0
0/100 kPa	0.25	0.1	0/25 MPa	0.25	10.0
0/250 kPa	0.25	0.1	0/40 MPa	0.25	10.0
0/400 kPa	0.25	0.1	0/60 MPa	0.25	10.0
0/600 kPa	0.25	0.1	0/70 MPa	0.25	10.0
0/1000 kPa	0.25	1.0	0/80 MPa	0.25	10.0
0/1600 kPa	0.25	1.0			
0/2500 kPa	0.25	1.0			
0/4000 kPa	0.25	1.0	Vacuum		
			-100/0 kPa	0.5	0.1

Customized and other scales such as bar / psi / inHG etc. are available on request